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OFFICIAL

Facsimile Transmittal

DATE: July 22, 2004

TO: USPTO

ATTN: EXAMINER Minh D. Dao

RE: Serial No. 09/847,474

FAX :   703-872-9306

FROM: Howard H. Seo, Reg. No. 43,106

Number of Pages Sent: 16 (including this transmittal cover sheet)

ATTACHED HERETO IS AN AMENDMENT IN (7)PAGES; A ONE (1)
PAGE TRANSMITTAL, DECLARATION OF PRIOR INVENTION TO
OVERCOME CITED REFERNCE (37 CFR 1.131) (7) PAGES. PLEASE
CALL ME IF YOU HAVE ANY QUESTIONS.

I hereby certify that this correspondence is being sent VIA FACSIMILE to the Commissioner of Patents at fax number
(703) 872-9306. Attention Office of Amendments, on:

July 22, 2004(Date of Deposit)

Ann Andrews
(Name of the Person Making the Deposit)

(Signature)

Patent and Trademark Office
PATENT

AMENDMENT TRANSMITTAL FORM

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Customer No.: 23696
Attorney Docket No.: 990517
In Re Application of: Shi et al
Serial Number: 09/847,474
Filed: May 2, 2004
Examiner: Minh D. Dao
Group Art Unit: 2682

Dear Sir:

Transmitted herewith for filing is a Response to Office Action in the above identified application.

CLAIMS	(a) Number Remaining After Amendment	(b) Highest Number Previously Paid For	(c) Extra Claims	Large Entity Fee	Fee Paid
Total*	20	24		x $18 =	$
Independent**	4	4		x $86 =	$
Multiple Dependent Claim(s): ☐ Yes ☐ No				$290	$
EXTENSION FEES		☐ One Month		$110	$
		☐ Two Months		$420	$
		☒ Three Months		$950	$950
TERMINAL DISCLAIMER				$110	$
*If the number in column a is less than 20, enter 0 in column c. **If the number in column a is less than 3, enter 0 in column c.				TOTAL FEE	$950

4. ☐ Fee check in the amount of $_____ is enclosed to pay for any claim and/or extension fees.

5. ☒ Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated the amount of $950.
The Commissioner is hereby authorized to charge payment of any additional fees which may be required, or credit any overpayment to said Deposit Account No. 17-0026. A duplicate of this sheet is enclosed for fee processing.

6. ☒ The Commissioner is further hereby authorized to charge to said Deposit Account No. 17-0026, pursuant to 37 CFR 1.25(b), any fee whatsoever which may become properly due or payable, as set forth in 37 CFR 1.16 to 37 CFR 1.18 inclusive, for the entire pendency of this application without specific additional authorization.

Date: July 22, 2004

Signature: _____

Howard H. Seo, Reg. No. 43,106
Phone No. 858-845-5235

QUALCOMM Incorporated
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CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

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Depositor's Name: Ann Andrews
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Signature: _____

(TRANSAMD.VER1.13-07/30/03)

Carl Shi, 8/5/99 10:56 AM -0700, Voice Character Entry

CDB 1

X-Sender: gshi@houdini.qualcomm.com
Date: Thu, 05 Aug 1999 10:56:28 -0700
To: Charles Brown <charlesb>, Carl Shi <gshi>
From: Carl Shi <gshi>
Subject: Voice Character Entry
Cc: rhom, tomaszj

Hello Charlie,

Enclosed document briefly describes an idea of using voice
to enter alphanumeric and special characters on small wireless mobile
devices/phones, and four different applications.

Would you please let Toamsz and me know what you think. We will
be working on this idea in more details. If you need more information,
please let us know.

#990517

Thanks

Carl

++++++++++++++++++++++++
Carl Shi
Qualcomm Inc. AA-240E
Email: gshi@qualcomm.com
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Voice Character Entry.doc

Use Voice to Enter Alphanumeric and Special Characters on Small Wireless Devices

Tomasz Johannsen and Carl Shi

Feature Description

Using the proposed feature, small wireless devices would allow the user to enter alphanumeric and special characters (Aa-Zz, 0-9, #, *, $, %, space, ?, etc.) in voice utilizing voice recognition services. For example, instead of typing a character such as 'A', the user would say 'A' to a small wireless device.

Benefits

This feature provides an easier and quicker input method for the users to enter alphanumeric and special characters.

Entering alphanumeric and special characters on small wireless devices is very cumbersome. It often requires several keystrokes (keypad or touch screen input devices) to enter one character because one key represents several alphanumeric characters (e.g. key 2 represents '2', 'A','B', and 'C'). It may also require the access of a special menu to find a desired character (e.g. %, $, etc.)

Use Voice to Enter Phone Book Numbers and Names on Small Wireless Devices

Tomasz Johannsen and Carl Shi

Feature Description

Using the proposed feature, small wireless devices would allow the user to enter phone book numbers and names in voice recognized alphanumeric and special characters utilizing voice recognition services. For example, instead of typing 'CARL' in a sequence of keystrokes, the user would say 'C', 'A', 'R', 'L'.

Benefits

This feature provides an easier and quicker input method for the users to enter phone book numbers and names for phone book entry storage and retrieval/recall.

Phone book is one of the most important and frequently used features provided by small wireless devices. To store and/or recall a phone book entry, e.g., by name, the user is required to enter a name by entering alphanumeric and special characters. However, entering alphanumeric and special characters on small wireless devices is very cumbersome. It often requires several keystrokes (keypad or touch screen input devices) to enter one character because one key represents several alphanumeric characters (e.g. key 2 represents '2', 'A','B', and 'C'). It may also require the access of a special menu to find a desired character (e.g. %, $, etc.)

Use Voice to Enter Mobile Originated SMS Messages on Small Wireless Devices

Tomasz Johannsen and Carl Shi

Feature Description

Using the proposed feature, small wireless devices would allow the user to enter mobile originated SMS (Short Message Services) text messages in voice recognized alphanumeric and special characters utilizing voice recognition services. For example, instead of typing "LUNCH TODAY?" in a sequence of keystrokes, the user would say 'L', 'U', 'N', 'C', 'H', 'SPACE', 'T', 'O', 'D', 'A', 'Y', 'QUESTION MARK'.

Benefits

This feature provides an easier and quicker input method for the users to enter mobile originated SMS text messages.

Mobile originated SMS is one of the most important features provided by small wireless devices. To originate a SMS message, the user needs to first type in a text message by entering alphanumeric and special characters. However, entering alphanumeric and special characters on small wireless devices is very cumbersome. It often requires several keystrokes (keypad or touch screen input devices) to enter one character because one key represents several alphanumeric characters (e.g. key 2 represents '2', 'A','B', and 'C'). It may also require the access of a special menu to find a desired character (e.g. %, $, etc.)

Use Voice to Enter Mobile e-mail Messages on Small Wireless Devices

Tomasz Johannsen and Carl Shi

Feature Description

Using the proposed feature, small wireless devices would allow the user to enter e-mail text messages in voice recognized alphanumeric and special characters utilizing voice recognition services. For example, instead of typing "HELLO CARL, THANKS FOR THE RIDE!" in a sequence of keystrokes, the user would say 'H','E','L','L','O', 'SPACE', 'C','A','R','L', 'SPACE', 'T','H','A','N','K','S', 'SPACE', 'F','O','R', 'SPACE', 'T','H','E', 'R','I','D','E', 'EXCLAMATION MARK'.

Benefits

This feature provides an easier and quicker input method for the users to enter e-mail text messages.

E-mail is one of the most important features provided by small wireless devices. To send an e-mail message, the user first needs to type in a text message by entering alphanumeric and special characters. However, entering alphanumeric and special characters on small wireless devices is very cumbersome. It often requires several keystrokes (keypad or touch screen input devices) to enter one character because one key represents several alphanumeric characters (e.g. key 2 represents '2', 'A','B', and 'C'). It may also require the access of a special menu to find a desired character (e.g. %, $, etc.)

Use Voice to Enter Text Memos on Small Wireless Devices

Tomasz Johannsen and Carl Shi

Feature Description

Using the proposed feature, small wireless devices would allow the user to enter text memos in voice recognized alphanumeric and special characters utilizing voice recognition services. For example, instead of typing "MEET SAM AT 4PM AT V" in a sequence of keystrokes, the user would say 'M','E','E','T', 'SPACE', 'S','A','M', 'SPACE', 'A','T', 'SPACE', '4','P', 'M', 'SPACE', 'A','T', 'SPACE', 'V'.

Benefits

This feature provides an easier and quicker input method for the users to enter text memos. Text memos can be stored and retrieved on the small wireless devices to keep notes and reminders, and other important information. They can be attached to e-mails to be sent over the air.

To enter a text memo, the user first needs to type it in by entering alphanumeric and special characters. However, entering alphanumeric and special characters on small wireless devices is very cumbersome. It often requires several keystrokes (keypad or touch screen input devices) to enter one character because one key represents several alphanumeric characters (e.g. key 2 represents '2', 'A','B', and 'C'). It may also require the access of a special menu to find a desired character (e.g. %, $, etc.)